## WHAT IS CLAIMED IS:

1. A molded article comprising

high molecular weight  $\alpha$ -1,4-glucan and/or its modification, and low molecular weight  $\alpha$ -1,4-glucan and/or its modification, wherein the low molecular weight  $\alpha$ -1,4-glucan has a degree of polymerization of greater than or equal to 180 and less than 620, and the high molecular weight  $\alpha$ -1,4-glucan has a degree of polymerization of greater than or equal to 620 and less than 37000.

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2. A molded article according to Claim 1, wherein the low molecular weight  $\alpha$ -1,4-glucan has the degree of polymerization of greater than or equal to 180 and less than 560, and the high molecular weight  $\alpha$ -1,4-glucan has the degree of polymerization of greater than or equal to 680 and less than 37000.

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3. A molded article according to Claim 1 or 2, wherein the low molecular weight  $\alpha$ -1,4-glucan has a molecular weight distribution of not greater than 1.25, and the high molecular weight  $\alpha$ -1,4-glucan has a molecular weight distribution of not greater than 1.25.

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- 4. A molded article according to any one of Claims 1 to 3, wherein the  $\alpha$ -1,4-glucans are enzyme-synthesized  $\alpha$ -1,4-glucan.
- 5. A molded article according to any one of Claims 1 to 4, wherein the modification of the  $\alpha$ -1,4-glucans is a chemical modification selected from the group consisting of esterification, etherification and crosslinking.

- 6. A molded article according to any one of Claims 1 to 5, wherein a weight ratio of high molecular weight  $\alpha$ -1,4-glucan and/or its modification : low molecular weight  $\alpha$ -1,4-glucan and/or its modification is within the range of 99:1 to 25:75.
- 7. A molded article according to any one of Claims 1 to 5, wherein a weight ratio of high molecular weight  $\alpha$ -1,4-glucan and/or its modification : low molecular weight  $\alpha$ -1,4-glucan and/or its modification is within the range of 99:1 to 50:50.
- 8. A molded article according to any one of Claims 1 to 5, wherein a weight ratio of high molecular weight  $\alpha$ -1,4-glucan and/or its modification: low molecular weight  $\alpha$ -1,4-glucan and/or its modification is within the range of 99:1 to 75:25.
- 9. A molded article according to any one of Claims 1 to 8, wherein the molded article is film, sheet, coating, fiber, yarn, non-woven fabric, a food container, an edible container, a medical material, a medical device or a gelatinous molded article.
- 10. A molded article according to any one of Claims 1 to 8, wherein the molded article is a contact-type food container which directly covers a surface of an agricultural product or a food product.

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- 11. A molded article according to any one of Claims 1 to 8, wherein the molded article is a hard capsule, a soft capsule or a seamless capsule.
- 12. A molded article according to any one of Claims 1 to 8, wherein the molded article is a feed for an animal, a food or a food additive.
- 13. A process for preparing a molded article comprising high molecular weight  $\alpha$ -1,4-glucan and/or its modification and low molecular weight  $\alpha$ -1,4-glucan and/or its modification, wherein the process comprises the step of:

adding the low molecular weight  $\alpha$ -1,4-glucan and/or its modification to a solution comprising the high molecular weight  $\alpha$ -1,4-glucan and/or its modification to gel the solution.

14. A process for preparing a molded article comprising high molecular weight  $\alpha$ -1,4-glucan and/or its modification and low molecular weight  $\alpha$ -1,4-glucan and/or its modification, wherein the process comprises the step of:

cooling a solution comprising the high molecular weight  $\alpha$ -1,4-glucan and/or its modification and the low molecular weight  $\alpha$ -1,4-glucan and/or its modification to gel the solution.

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15. A process for preparing a molded article comprising high molecular weight  $\alpha$ -1,4-glucan and/or its modification and low molecular weight  $\alpha$ -1,4-glucan and/or its modification, wherein the process comprises the step of:

neutralizing an alkaline solution comprising the high molecular weight  $\alpha$ -1,4-glucan and/or its modification and the low molecular weight  $\alpha$ -1,4-glucan

and/or its modification to get the solution.

16. A process for preparing a molded article according to any one of Claims 13 to 15, wherein

the low molecular weight  $\alpha$ -1,4-glucan has a degree of polymerization of greater than or equal to 180 and less than 620, and has a molecular weight distribution of not greater than 1.25 and,

the high molecular weight  $\alpha$ -1,4-glucan has a degree of polymerization of greater than or equal to 620 and less than 37000, and has a molecular weight distribution of not greater than 1.25.

17. A process for preparing a molded article according to any one of Claims 13 to 15, wherein

the low molecular weight  $\alpha$ -1,4-glucan has a degree of polymerization of greater than or equal to 180 and less than 560, and has a molecular weight distribution of not greater than 1.25 and,

the high molecular weight  $\alpha$ -1,4-glucan has a degree of polymerization of greater than or equal to 680 and less than 37000, and has a molecular weight distribution of not greater than 1.25.

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- 18. A process for preparing a molded article according to Claim 16 or 17, wherein the  $\alpha$ -1,4-glucans are enzyme-synthesized  $\alpha$ -1,4-glucan.
- 19. A process for preparing a molded article according to any one of Claims 13 to 18, wherein the modification of the  $\alpha$ -1,4-glucans is a chemical

modification selected from the group consisting of esterification, etherification and crosslinking.

20. A process for preparing a molded article according to any one of Claims 13 to 19, wherein a weight ratio of the high molecular weight  $\alpha$ -1,4-glucan and/or its modification and the low molecular weight  $\alpha$ -1,4-glucan and/or its modification is within the range of 99:1 to 25:75.

- 21. A process for preparing a molded article according to any one of

  Claims 13 to 19, wherein a weight ratio of high molecular weight α-1,4-glucan

  and/or its modification: low molecular weight α-1,4-glucan and/or its

  modification is within the range of 99:1 to 50:50.
- 22. A process for preparing a molded article according to any one of
  Claims 13 to 19, wherein a weight ratio of high molecular weight α-1,4-glucan
  and/or its modification: low molecular weight α-1,4-glucan and/or its
  modification is within the range of 99:1 to 75:25.
- 23. Use of low molecular weight α-1,4-glucan with a degree of
  polymerization of greater than or equal to 180 and less than 620, in the step of gelling a solution containing α-1,4-glucan.